GenCore version 4.5

OM nucleic - nucleic search, using sw model

Run on: February 26, 2002, 11:47:52 ; Search time 3596.29 Seconds
(without alignments)
3318.831 Million cell updates/sec

Title: US-09-602-833A-3
Perfect score: 681
Sequence: 1 atgagaattctggatctgcc.....cttttagccttcaactttga 681

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 17159718 seqs, 8763200856 residues

Total number of hits satisfying chosen parameters: 34319436

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*
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2: /cgn2_6/ptodata/2/pna/US06_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	681	100.0	681	47	US-60-140-627-3	Sequence 3, Appli
	2	681	100.0	1116	47	US-60-140-627-1	Sequence 1, Appli
	3	681	100.0	1989	1	PCT-US01-14826-12	Sequence 12, Appl
	4	681	100.0	2094	26	US-09-667-298-12	Sequence 12, Appl
	5	661.8	97.2	2035	1	PCT-US01-14826-444	Sequence 444, App
	6	661.8	97.2	2035	22	US-09-577-408-1843	Sequence 1843, Ap
	7	632	92.8	2010	23	US-09-616-111-806	Sequence 806, App
	8	632	92.8	2010	25	US-09-652-915-9227	Sequence 9227, Ap
c	9	576	84.6	577	57	US-60-245-228-444	Sequence 444, App
	10	504.8	74.1	630	19	US-09-516-448-1391	Sequence 1391, Ap
	11	504.8	74.1	630	31	US-09-833-381-1391	Sequence 1391, Ap
	12	372.2	54.7	484	23	US-09-616-111-636	Sequence 636, App
	13	345	50.7	840	26	US-09-668-683-3967	Sequence 3967, Ap
	14	345	50.7	840	49	US-60-168-611-2255	Sequence 2255, Ap
	15	324.4	47.6	327	17	US-09-332-782-6811	Sequence 6811, Ap
	16	324.4	47.6	327	19	US-09-515-694-6811	Sequence 6811, Ap
	17	302.6	44.4	384	16	US-09-274-861-10130	Sequence 10130, A
	18	302.6	44.4	384	32	US-09-915-738-10130	Sequence 10130, A
	19	265	38.9	334	17	US-09-359-067-5831	Sequence 5831, Ap
	20	195.6	28.7	323	12	US-08-824-056-1404	Sequence 1404, Ap
	21	187.4	27.5	239	14	US-09-075-782-603	Sequence 603, App
	22	187.4	27.5	239	21	US-09-540-766-17283	Sequence 17283, A
	23	187.4	27.5	239	37	US-60-046-624-603	Sequence 603, App
	24	172	25.3	480	19	US-09-528-409-29336	Sequence 29336, A
	25	172	25.3	480	32	US-09-933-524-29336	Sequence 29336, A
	26	161	23.6	15011	57	US-60-245-228-24	Sequence 24, Appl
	27	128	18.8	440	19	US-09-528-409-25490	Sequence 25490, A
	28	128	18.8	440	32	US-09-933-524-25490	Sequence 25490, A
	29	125	18.4	456	19	US-09-528-409-24337	Sequence 24337, A
	30	125	18.4	456	32	US-09-933-524-24337	Sequence 24337, A
c	31	118.4	17.4	494	52	US-60-195-050-71	Sequence 71, Appl
	32	117.2	17.2	222	23	US-09-619-303-42	Sequence 42, Appl
	33	107.8	15.8	1660	25	US-09-649-164-9252	Sequence 9252, Ap
	34	107.8	15.8	1660	29	US-09-726-802-2039	Sequence 2039, Ap
	35	107.8	15.8	1660	29	US-09-726-809-2802	Sequence 2802, Ap
	36	107.8	15.8	1856	25	US-09-652-913-8543	Sequence 8543, Ap
	37	107.8	15.8	2122	19	US-09-516-448-1392	Sequence 1392, Ap
	38	107.8	15.8	2122	31	US-09-833-381-1392	Sequence 1392, Ap
c	39	100	14.7	1434	18	US-09-496-914A-2777	Sequence 2777, Ap
c	40	100	14.7	1434	22	US-09-560-875A-2777	Sequence 2777, Ap
	41	98.4	14.4	1848	17	US-09-359-922-5894	Sequence 5894, Ap

42	98.4	14.4	1848	17	US-09-359-922-5894	Sequence 5894, Ap
43	87	12.8	429	19	US-09-528-409-13035	Sequence 13035, A
44	87	12.8	429	32	US-09-933-524-13035	Sequence 13035, A
45	85	12.5	823	57	US-60-245-228-523	Sequence 523, App

ALIGNMENTS

RESULT 1
US-60-140-627-3
; Sequence 3, Application US/60140627
; GENERAL INFORMATION:
; APPLICANT: Turner, Alex
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Freidrich, Glenn A.
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: A NOVEL HUMAN cDNA CLONE AND PROTEINS
; TITLE OF INVENTION: ENCODED THEREBY
; FILE REFERENCE: 8535-0036-888
; CURRENT APPLICATION NUMBER: US/60/140,627
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 681
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(678)
US-60-140-627-3

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Best Local Similarity 100.0%; Pred. No. 4e-181;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
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Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
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Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
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Db    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240

Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
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Db    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300

Qy    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
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Db    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360

Qy    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
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Qy    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
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Qy    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540
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Db    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540

Qy    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
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Db    661 tcttttagccttcaactttga 681
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RESULT 2
US-60-140-627-1
; Sequence 1, Application US/60140627
; GENERAL INFORMATION:
; APPLICANT: Turner, Alex
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Freidrich, Glenn A.
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: A NOVEL HUMAN cDNA CLONE AND PROTEINS
; TITLE OF INVENTION: ENCODED THEREBY
; FILE REFERENCE: 8535-0036-888
; CURRENT APPLICATION NUMBER: US/60/140,627
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1116
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1113)
US-60-140-627-1

Query Match 100.0%; Score 681; DB 47; Length 1116;
Best Local Similarity 100.0%; Pred. No. 4.9e-181;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
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Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
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Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
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Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
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Qy    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
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Qy    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
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Qy    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
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Qy    661 tcttttagccttcaactttga 681
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Db   1096 tcttttagccttcaactttga 1116
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RESULT 3
PCT-US01-14826-12
; Sequence 12, Application PC/TUS0114826
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-103
; CURRENT APPLICATION NUMBER: PCT/US01/14826
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: 09/677,298<151> 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,781<151> 2000-10-24
; PRIOR APPLICATION NUMBER: 09/715,869<151> 2000-11-17
; PRIOR APPLICATION NUMBER: 09/775,330<151> 2001-02-01
; NUMBER OF SEQ ID NOS: 864
; SOFTWARE: Custom
; SEQ ID NO 12
; LENGTH: 1989
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (330)..(1442)
PCT-US01-14826-12

Query Match 100.0%; Score 681; DB 1; Length 1989;
Best Local Similarity 100.0%; Pred. No. 6.3e-181;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
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Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
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Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
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Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
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Qy    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
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Db   1245 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 1304

Qy    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1305 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 1364

Qy    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1365 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 1424

Qy    661 tcttttagccttcaactttga 681
          |||||||||||||||||||||
Db   1425 tcttttagccttcaactttga 1445
```

RESULT 4
US-09-667-298-12
; Sequence 12, Application US/09667298
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhou, Ping
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhao, Qing A.
; APPLICANT: Zhang, Jie
; APPLICANT: Xue, Aidong J.
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Chen, Rui-hong
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 792CIP2A
; CURRENT APPLICATION NUMBER: US/09/667,298
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 12
; LENGTH: 2094
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (435)..(1550)
US-09-667-298-12

Query Match 100.0%; Score 681; DB 26; Length 2094;
Best Local Similarity 100.0%; Pred. No. 6.4e-181;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    870 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 929

Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    930 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 989
```

```
Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    990 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 1049

Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1050 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 1109

Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1110 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 1169

Qy    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1170 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 1229

Qy    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1230 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 1289

Qy    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1290 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 1349

Qy    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1350 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 1409

Qy    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1410 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 1469

Qy    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1470 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 1529

Qy    661 tcttttagccttcaactttga 681
          |||||||||||||||||||||
Db   1530 tcttttagccttcaactttga 1550


RESULT   5
PCT-US01-14826-444
; Sequence 444, Application PC/TUS0114826
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;  FILE REFERENCE: 21272-103
;  CURRENT APPLICATION NUMBER: PCT/US01/14826
;  CURRENT FILING DATE:  2001-05-16
;  PRIOR APPLICATION NUMBER: 09/577,408
;  PRIOR FILING DATE: 2000-05-18
;  PRIOR APPLICATION NUMBER: 09/677,298<151>  2000-09-22
;  PRIOR APPLICATION NUMBER: 09/695,781<151>  2000-10-24
;  PRIOR APPLICATION NUMBER: 09/715,869<151>  2000-11-17
;  PRIOR APPLICATION NUMBER: 09/775,330<151>  2001-02-01
;  NUMBER OF SEQ ID NOS: 864
;  SOFTWARE: Custom
; SEQ ID NO 444
;   LENGTH: 2035
;   TYPE: DNA
;   ORGANISM: Homo sapiens
PCT-US01-14826-444


  Query Match             97.2%;  Score 661.8;  DB 1;  Length 2035;
  Best Local Similarity   98.2%;  Pred. No. 1.6e-175;
  Matches  669;  Conservative    0;  Mismatches   12;  Indels    0;  Gaps    0;

Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    811 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 870
```

```
Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    871 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 930

Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    931 ttgggagattgtgaaaatctagagagactggattgttctggaaatctaaaattaatggag 990

Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    991 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 1050

Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||   |
Db   1051 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatattcac 1110

Qy    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
          || |||||||| |||||||  |  ||||||||||||||||||||||||||||||||||||||
Db   1111 cgccataacctggccgaccttgccgaagatatagacaggctagaggagctgcagagcttt 1170

Qy    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1171 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 1230

Qy    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1231 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 1290

Qy    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1291 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 1350

Qy    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1351 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 1410

Qy    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
          |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Db   1411 aaagcctatattgaagtccttaaagaaagagaatctgttcccagctataccaccaaagtg 1470

Qy    661 tcttttagccttcaactttga 681
          |||||||||||||||||||||
Db   1471 tcttttagccttcaactttga 1491


RESULT   6
US-09-577-408-1843
; Sequence 1843, Application US/09577408
; GENERAL INFORMATION:
;  APPLICANT:  Tang, Y. Tom
;  APPLICANT:  Tillinghast, John
;  APPLICANT:  Sinku, Ankura
;  APPLICANT:  Liu, Chenghua
;  APPLICANT:  Drmanac, Radoje T.
;  TITLE OF INVENTION:  Novel Nucleic Acids and
;  TITLE OF INVENTION:  Polypeptides
;  FILE REFERENCE:  792
;  CURRENT APPLICATION NUMBER: US/09/577,408
;  CURRENT FILING DATE:  2000-05-18
;  NUMBER OF SEQ ID NOS:  8502
;  SOFTWARE:  pt_GCT_genes Version 1.0
; SEQ ID NO 1843
;   LENGTH: 2035
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (562)...(1446)
;   OTHER INFORMATION: similar to gi4538934 in the genepept database release 115,
;   OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-577-408-1843
```

```
  Query Match             97.2%;  Score 661.8;  DB 22;  Length 2035;
  Best Local Similarity   98.2%;  Pred. No. 1.6e-175;
  Matches  669;  Conservative    0;  Mismatches   12;  Indels    0;  Gaps    0;

Qy       1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     811 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 870

Qy      61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     871 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 930

Qy     121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
          |||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db     931 ttgggagattgtgaaaatctagagagactggattgttctggaaatctaaaattaatggag 990

Qy     181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     991 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 1050

Qy     241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||    |
Db    1051 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatattcac 1110

Qy     301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
           || |||||||| |||||||  |  ||||||||||||||||||||||||||||||||||
Db    1111 cgccataacctggccgaccttgccgaagatatagacaggctagaggagctgcagagcttt 1170

Qy     361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1171 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 1230

Qy     421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1231 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 1290

Qy     481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1291 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 1350

Qy     541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1351 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 1410

Qy     601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
          ||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Db    1411 aaagcctatattgaagtccttaaagaaagagaatctgttcccagctataccaccaaagtg 1470

Qy     661 tcttttagccttcaactttga 681
          |||||||||||||||||||||
Db    1471 tcttttagccttcaactttga 1491


RESULT   7
US-09-616-111-806
; Sequence 806, Application US/09616111
; GENERAL INFORMATION:
;  APPLICANT:  Holtzman, Douglas A.
;  APPLICANT:  Gearing, David P.
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES DERIVED FROM A
;  TITLE OF INVENTION:  HUMAN PITUITARY LIBRARY
;  FILE REFERENCE:  1600.1142-001
;  CURRENT APPLICATION NUMBER: US/09/616,111
;  CURRENT FILING DATE:  2000-07-13
;  PRIOR APPLICATION NUMBER:  60/143,618
;  PRIOR FILING DATE:  1999-07-13
;  NUMBER OF SEQ ID NOS:  816
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 806
;   LENGTH: 2010
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-616-111-806


  Query Match             92.8%;  Score 632;  DB 23;  Length 2010;
  Best Local Similarity   97.7%;  Pred. No. 4.2e-167;
  Matches  666;  Conservative    0;  Mismatches    5;  Indels   11;  Gaps    2;

Qy       1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     797 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 856

Qy      61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     857 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 916

Qy     121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     917 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 976

Qy     181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
          |||||||||||| |||| |||            ||||||||||||||||||||||||||
Db     977 ctgccctttgaagtaagaaat----------aaacatttgtagatatctcagcaaacaag 1026

Qy     241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1027 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 1086

Qy     301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1087 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 1146

Qy     361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1147 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 1206

Qy     421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1207 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 1266

Qy     481 tccaca-cctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtga 539
          |||||| ||||| ||||||||||||||||||||||||||||||||||||||||||||||
Db    1267 tccacaccctttaaatttgtaagccttatggacaatcctattgataatgcccaatgtga 1326

Qy     540 agatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttat 599
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1327 agatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttat 1386

Qy     600 gaaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagt 659
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1387 gaaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagt 1446

Qy     660 gtcttttagccttcaactttga 681
          |||||||||||||||||||||
Db    1447 gtcttttagccttcaactttga 1468


RESULT   8
US-09-652-915-9227
; Sequence 9227, Application US/09652915
; GENERAL INFORMATION:
;  APPLICANT:  Falb, Dean R.
;  APPLICANT:  Holtzman, Douglas A.
;  TITLE OF INVENTION:  NOVEL NUCLEIC ACID MOLECULES AND USES
;  TITLE OF INVENTION:  THEREFOR
;  FILE REFERENCE:  1600.1175-001
;  CURRENT APPLICATION NUMBER: US/09/652,915
;  CURRENT FILING DATE:  2000-08-31
;  PRIOR APPLICATION NUMBER:  60/152,110
;  PRIOR FILING DATE:  1999-08-31
;  NUMBER OF SEQ ID NOS:  10311
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 9227
;   LENGTH: 2010
```

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;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-652-915-9227


  Query Match             92.8%;  Score 632;  DB 25;  Length 2010;
  Best Local Similarity   97.7%;  Pred. No. 4.2e-167;
  Matches  666;  Conservative    0;  Mismatches    5;  Indels   11;  Gaps    2;

Qy       1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     797 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 856

Qy      61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     857 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 916

Qy     121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     917 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 976

Qy     181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
           ||||||||||| |||| |||           ||||||||||||||||||||||||||||
Db     977 ctgccctttgaagtaagaaat----------aaacatttgtagatatctcagcaaacaag 1026

Qy     241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1027 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 1086

Qy     301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1087 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 1146

Qy     361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1147 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 1206

Qy     421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1207 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 1266

Qy     481 tccaca-cctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtga 539
           |||||| ||||| ||||||||||||||||||||||||||||||||||||||||||||||
Db    1267 tccacaccctttaaatttgtaagccttatggacaatcctattgataatgcccaatgtga 1326

Qy     540 agatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttat 599
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1327 agatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttat 1386

Qy     600 gaaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagt 659
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1387 gaaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagt 1446

Qy     660 gtcttttagccttcaactttga 681
           |||||||||||||||||||||
Db    1447 gtcttttagccttcaactttga 1468


RESULT   9
US-60-245-228-444/c
; Sequence 444, Application US/60245228
; GENERAL INFORMATION:
;  APPLICANT:  Beasley, Ellen
;  TITLE OF INVENTION:  ISOLATED HUMAN CYCLASE PROTEINS, NUCLEIC
;  TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN CYCLASE PROTEINS, AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  CL000878
;  CURRENT APPLICATION NUMBER: US/60/245,228
;  CURRENT FILING DATE:  2000-11-03
;  NUMBER OF SEQ ID NOS:  630
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 444
;   LENGTH: 577
```

```
;   TYPE: DNA
;   ORGANISM: HUMAN
US-60-245-228-444


  Query Match             84.6%;  Score 576;  DB 57;  Length 577;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-151;
  Matches  576;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      56 gttgtttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctc 115
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     577 GTTGTTTGAAGAACCTGAAAGAACTCAATGTGGGTTTCAACTATCTGAAGAGCATTCCTC 518

Qy     116 cagaattgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaa 175
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     517 CAGAATTGGGAGATTGTGAAAATCTAGAGAGACTGGATTGTTCTGGAAATCTAGAATTAA 458

Qy     176 tggagctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaa 235
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     457 TGGAGCTGCCCTTTGAATTAAGTAATTTGAAGCAAGTTACATTTGTAGATATCTCAGCAA 398

Qy     236 acaagttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggata 295
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     397 ACAAGTTTTCCAGTGTCCCAATCTGTGTCCTGCGGATGTCGAATTTGCAGTGGTTGGATA 338

Qy     296 tcagcagcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcaga 355
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     337 TCAGCAGCAATAACCTGACCGACCTGCCGCAAGATATAGACAGGCTAGAGGAGCTGCAGA 278

Qy     356 gctttctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaaga 415
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     277 GCTTTCTCTTGTATAAAAACAAGTTGACCTACCTTCCCTATTCCATGCTGAACCTGAAGA 218

Qy     416 agctcactctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtg 475
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     217 AGCTCACTCTGTTAGTCGTCAGTGGGGACCATTTGGTGGAGCTCCCAACTGCCCTTTGTG 158

Qy     476 actcatccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaat 535
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     157 ACTCATCCACACCTTTAAAATTTGTAAGCCTTATGGACAATCCTATTGATAATGCCCAAT 98

Qy     536 gtgaagatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaag 595
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      97 GTGAAGATGGCAATGAAATAATGGAAAGTGAACGGGATCGCCAACATTTTGATAAAGAAG 38

Qy     596 ttatgaaagcctatattgaagaccttaaagaaagag 631
           |||||||||||||||||||||||||||||||||||
Db      37 TTATGAAAGCCTATATTGAAGACCTTAAAGAAAGAG 2


RESULT  10
US-09-516-448-1391
; Sequence 1391, Application US/09516448
; GENERAL INFORMATION:
;  APPLICANT:  Robison, Keith E.
;  TITLE OF INVENTION:  Novel Nucleic Acid and Protein Homologs
;  FILE REFERENCE:  5800-119
;  CURRENT APPLICATION NUMBER: US/09/516,448
;  CURRENT FILING DATE:  2000-02-29
;  NUMBER OF SEQ ID NOS:  2050
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 1391
;   LENGTH: 630
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(630)
;   OTHER INFORMATION: n = A,T,C or G
US-09-516-448-1391


  Query Match             74.1%;  Score 504.8;  DB 19;  Length 630;
```

```
  Best Local Similarity   95.7%;  Pred. No. 2e-131;
  Matches  603;  Conservative    0;  Mismatches   16;  Indels   11;  Gaps    8;

Qy      19 ccaaaaaaccaaatctcacatcttccagcagaaatcggttgtttgaagaacctgaaagaa 78
           || ||||| | ||||| ||||||||||||||||||||||||||||||||||||||||||
Db       2 ccgaaaaaaccaatct-acatcttccagcagaaatcggttgtttgaagaacctgaaagaa 60

Qy      79 ctcaatgtgggtttcaactatctgaagagcattcctccagaattgggagattgtgaaaat 138
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 ctcaatgtgggtttcaactatctgaagagcattcctccagaattgggagattgtgaaaat 120

Qy     139 ctagagagactggattgttctggaaatctagaattaatggagctgccctttgaattaagt 198
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 ctagagagactggattgttctggaaatctagaattaatggagctgccctttgaattaagt 180

Qy     199 aatttgaagcaagttacatttgtagatatctcagcaaacaagttttccagtgtcccaatc 258
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 aatttgaagcaagttacatttgtagatatctcagcaaacaagttttccagtgtcccaatc 240

Qy     259 tgtgtcctgcggatgtcgaatttgcagtggttggatatca-gcagcaataacctgaccga 317
           |||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||
Db     241 tgtgtcctgcggatgtcgaatttgcagtggttggatatcatgcagcaataacctgaccga 300

Qy     318 cctgccgcaagatatagacaggctagaggagctgcagagctttctcttgtataaaaacaa 377
           |||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db     301 cctgccgcaagatatagacaggctanaggagctgcagagctttctcttgtataaaaacaa 360

Qy     378 g-ttgacctaccttccctattccatgctgaacctgaagaagc-tcactctgttagt-cgt 434
           | |||||||||||||||||||||||||||||||||||||| | ||||||| ||||| |||
Db     361 gtttgacctaccttccctattccatgctgaacctgaagaancttcactctnttagtccgt 420

Qy     435 cagtggggacca-tttggtggagctcccaa----ctgccctttgtgactcatccacacct 489
           || ||||||||| |||||||||||||||| |      || ||||||||||||||||||
Db     421 cantggggaccattttggtggagctccccaaacctgccctttgtgactcatccacacac 480

Qy     490 ttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaagatggcaat 549
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     481 ccaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaagatggcaat 540

Qy     550 gaaataatggaaagtgaac-gggatcgccaacattttgataaagaagttatgaaagccta 608
           |||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Db     541 gaaataatggaaagtgaacggggatcgccaacattttgataaagaagttatgaaagccta 600

Qy     609 tattgaagaccttaaagaaagagaatctgt 638
           ||||||||||||||||||||||||||||||
Db     601 tattgaagaccttaaagaaagagaatctgt 630


RESULT  11
US-09-833-381-1391
; Sequence 1391, Application US/09833381
; GENERAL INFORMATION:
;  APPLICANT: Robison, Keith E.
;  TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs
;  FILE REFERENCE: 5800-119
;  CURRENT APPLICATION NUMBER: US/09/833,381
;  CURRENT FILING DATE:  2001-04-11
;  PRIOR APPLICATION NUMBER: 09/516,448
;  PRIOR FILING DATE: 2000-02-29
;  NUMBER OF SEQ ID NOS: 2050
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1391
;   LENGTH: 630
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(630)
;   OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1391


  Query Match             74.1%;  Score 504.8;  DB 31;  Length 630;
```


```
  Best Local Similarity   95.7%;  Pred. No. 2e-131;
  Matches  603;  Conservative    0;  Mismatches   16;  Indels   11;  Gaps    8;

Qy      19 ccaaaaaaccaaatctcacatcttccagcagaaatcggttgtttgaagaacctgaaagaa 78
           || ||||| | ||||| ||||||||||||||||||||||||||||||||||||||||||
Db       2 ccgaaaaaaccaatct-acatcttccagcagaaatcggttgtttgaagaacctgaaagaa 60

Qy      79 ctcaatgtgggtttcaactatctgaagagcattcctccagaattgggagattgtgaaaat 138
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 ctcaatgtgggtttcaactatctgaagagcattcctccagaattgggagattgtgaaaat 120

Qy     139 ctagagagactggattgttctggaaatctagaattaatggagctgccctttgaattaagt 198
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 ctagagagactggattgttctggaaatctagaattaatggagctgccctttgaattaagt 180

Qy     199 aatttgaagcaagttacatttgtagatatctcagcaaacaagttttccagtgtcccaatc 258
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 aatttgaagcaagttacatttgtagatatctcagcaaacaagttttccagtgtcccaatc 240

Qy     259 tgtgtcctgcggatgtcgaatttgcagtggttggatatca-gcagcaataacctgaccga 317
           |||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||
Db     241 tgtgtcctgcggatgtcgaatttgcagtggttggatatcatgcagcaataacctgaccga 300

Qy     318 cctgccgcaagatatagacaggctagaggagctgcagagctttctcttgtataaaaacaa 377
           |||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db     301 cctgccgcaagatatagacaggctanaggagctgcagagctttctcttgtataaaaacaa 360

Qy     378 g-ttgacctaccttccctattccatgctgaacctgaagaagc-tcactctgttagt-cgt 434
           | |||||||||||||||||||||||||||||||||||||| | ||||||| ||||| |||
Db     361 gtttgacctaccttccctattccatgctgaacctgaagaancttcactctnttagtccgt 420

Qy     435 cagtggggacca-tttggtggagctcccaa----ctgccctttgtgactcatccacacct 489
           || ||||||||| |||||||||||||||| |      || ||||||||||||||||||
Db     421 cantggggaccattttggtggagctccccaaacctgccctttgtgactcatccacacac 480

Qy     490 ttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaagatggcaat 549
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     481 ccaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaagatggcaat 540

Qy     550 gaaataatggaaagtgaac-gggatcgccaacattttgataaagaagttatgaaagccta 608
           |||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Db     541 gaaataatggaaagtgaacggggatcgccaacattttgataaagaagttatgaaagccta 600

Qy     609 tattgaagaccttaaagaaagagaatctgt 638
           ||||||||||||||||||||||||||||||
Db     601 tattgaagaccttaaagaaagagaatctgt 630
```


```
RESULT  12
US-09-616-111-636
; Sequence 636, Application US/09616111
; GENERAL INFORMATION:
;  APPLICANT:  Holtzman, Douglas A.
;  APPLICANT:  Gearing, David P.
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES DERIVED FROM A
;  TITLE OF INVENTION:  HUMAN PITUITARY LIBRARY
;  FILE REFERENCE:  1600.1142-001
;  CURRENT APPLICATION NUMBER: US/09/616,111
;  CURRENT FILING DATE:  2000-07-13
;  PRIOR APPLICATION NUMBER:  60/143,618
;  PRIOR FILING DATE:  1999-07-13
;  NUMBER OF SEQ ID NOS:  816
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 636
;   LENGTH: 484
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(484)
;   OTHER INFORMATION: n = A,T,C or G
US-09-616-111-636
```

```
  Query Match             54.7%;  Score 372.2;  DB 23;  Length 484;
  Best Local Similarity   97.8%;  Pred. No. 4.5e-94;
  Matches  407;  Conservative    0;  Mismatches    6;  Indels    3;  Gaps    3;

Qy      19 ccaaaaaaccaaatctcacatcttccagcagaaatcggttgtttgaagaacctgaaagaa 78
           || ||||| | ||||| ||||||||||||||||||||||||||||||||||||||||||
Db       2 ccgaaaaaaccaatct-acatcttccagcagaaatcggttgtttgaagaacctgaaagaa 60

Qy      79 ctcaatgtgggtttcaactatctgaagagcattcctccagaattgggagattgtgaaaat 138
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 ctcaatgtgggtttcaactatctgaagagcattcctccagaattgggagattgtgaaaat 120

Qy     139 ctagagagactggattgttctggaaatctagaattaatggagctgccctttgaattaagt 198
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 ctagagagactggattgttctggaaatctagaattaatggagctgccctttgaattaagt 180

Qy     199 aatttgaagcaagttacatttgtagatatctcagcaaacaagttttccagtgtcccaatc 258
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 aatttgaagcaagttacatttgtagatatctcagcaaacaagttttccagtgtcccaatc 240

Qy     259 tgtgtcctgcggatgtcgaatttgcagtggttggatatcagcagcaataacctgaccgac 318
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 tgtgtcctgcggatgtcgaatttgcagtggttggatatcagcagcaataacctgaccgac 300

Qy     319 ctgccgcaagatatagacaggctagaggagctgcagagctttctcttgtataaaaacaag 378
           |||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db     301 ctgccgcaagatatagacaggctanaggagctgcagagctttctcttgtataaaaacaag 360

Qy     379 -ttgacctaccttccctattccatgctgaacctgaagaagc-tcactctgttagtc 432
            |||||||||||||||||||||||||||||||||||| | ||||||| ||||||
Db     361 tttgacctaccttccctattccatgctgaacctgaagaancttcactctnttagtc 416


RESULT  13
US-09-668-683-3967
; Sequence 3967, Application US/09668683
; GENERAL INFORMATION:
;  APPLICANT:  Hodgson, David M.
;  APPLICANT:  Lincoln, Stephen E.
;  APPLICANT:  Russo, Frank D.
;  APPLICANT:  Spiro, Peter A.
;  APPLICANT:  Banville, Steve C.
;  APPLICANT:  Bratcher, Shawn R.
;  APPLICANT:  Dufour, Gerard E.
;  APPLICANT:  Cohen, Howard J.
;  APPLICANT:  Rosen, Bruce H.
;  APPLICANT:  Shah, Purvi
;  APPLICANT:  Chalup, Michael S.
;  APPLICANT:  Hillman, Jennifer L.
;  APPLICANT:  Jones, Anissa L.
;  APPLICANT:  Yu, Jimmy Y.
;  APPLICANT:  Greenawalt, Lila B.
;  APPLICANT:  Panzer, Scott R.
;  APPLICANT:  Roseberry, Ann M.
;  APPLICANT:  Wright, Rachel J.
;  APPLICANT:  Chen, Wensheng
;  APPLICANT:  Liu, Tommy F.
;  APPLICANT:  Yap, Pierre E.
;  APPLICANT:  Stockdreher, Theresa K.
;  APPLICANT:  Amshey, Stefan
;  APPLICANT:  Fong, Willy T.
;  TITLE OF INVENTION:  SECRETORY MOLECULES
;  FILE REFERENCE:  PT-0087 US
;  CURRENT APPLICATION NUMBER: US/09/668,683
;  CURRENT FILING DATE:  2000-09-22
;  PRIOR APPLICATION NUMBER:  60/156,624
;  PRIOR FILING DATE:  1999-09-28
;  PRIOR APPLICATION NUMBER:  60/156,625
;  PRIOR FILING DATE:  1999-09-28
;  PRIOR APPLICATION NUMBER:  60/168,614
;  PRIOR FILING DATE:  1999-12-02
;  PRIOR APPLICATION NUMBER:  60/168,611
;  PRIOR FILING DATE:  1999-12-02
;  PRIOR APPLICATION NUMBER:  60/168,613
;  PRIOR FILING DATE:  1999-12-02
;  NUMBER OF SEQ ID NOS:  14416
;  SOFTWARE:  PERL Program
; SEQ ID NO 3967
;   LENGTH: 840
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No: 230962.1.dec
US-09-668-683-3967


  Query Match             50.7%;  Score 345;  DB 26;  Length 840;
  Best Local Similarity   100.0%;  Pred. No. 2.6e-86;
  Matches  345;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     337 aggctagaggagctgcagagctttctcttgtataaaaacaagttgacctaccttccctat 396
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     142 aggctagaggagctgcagagctttctcttgtataaaaacaagttgacctaccttccctat 201

Qy     397 tccatgctgaacctgaagaagctcactctgttagtcgtcagtggggaccatttggtggag 456
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     202 tccatgctgaacctgaagaagctcactctgttagtcgtcagtggggaccatttggtggag 261

Qy     457 ctcccaactgccctttgtgactcatccacacctttaaaatttgtaagccttatggacaat 516
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     262 ctcccaactgccctttgtgactcatccacacctttaaaatttgtaagccttatggacaat 321

Qy     517 cctattgataatgcccaatgtgaagatggcaatgaaataatggaaagtgaacgggatcgc 576
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     322 cctattgataatgcccaatgtgaagatggcaatgaaataatggaaagtgaacgggatcgc 381

Qy     577 caacattttgataaagaagttatgaaagcctatattgaagaccttaaagaaagagaatct 636
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     382 caacattttgataaagaagttatgaaagcctatattgaagaccttaaagaaagagaatct 441

Qy     637 gttcccagctataccaccaaagtgtcttttagccttcaactttga 681
           |||||||||||||||||||||||||||||||||||||||||||||
Db     442 gttcccagctataccaccaaagtgtcttttagccttcaactttga 486


RESULT  14
US-60-168-611-2255
; Sequence 2255, Application US/60168611
; GENERAL INFORMATION:
;  APPLICANT: Hodgson, David M.                    Jones, Anissa L.
;  APPLICANT: Lincoln, Stephen E.                  Yu, Jimmy Y.
;  APPLICANT: Russo, Frank D.                      Greenawalt, Lila B.
;  APPLICANT: Spiro, Peter A.                      Panzer, Scott R.
;  APPLICANT: Banville, Steve C.                   Roseberry, Ann M.
;  APPLICANT: Bratcher, Shawn R.                   Wright, Rachel J.
;  APPLICANT: Dufour, Gerard E.                    Chen, Wensheng
;  APPLICANT: Cohen, Howard J.                     Liu, Tommy
;  APPLICANT: Rosen, Bruce                         Yap, Pierre E.
;  APPLICANT: Shah, Purvi                          Stockdreher, Theresa K.
;  APPLICANT: Chalup, Michael S.                   Amshey, Stefan
;  APPLICANT: Hillman, Jennifer L.                 Fong, Willy Tuen
;  TITLE OF INVENTION: SECRETORY MOLECULES
;  FILE REFERENCE: PT-0111 P
;  CURRENT APPLICATION NUMBER: US/60/168,611
;  CURRENT FILING DATE: 1999-12-02
;  NUMBER OF SEQ ID NOS: 4000
;  SOFTWARE: PERL Program
; SEQ ID NO 2255
;   LENGTH: 840
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No: 230962.1
```

```
US-60-168-611-2255


  Query Match             50.7%;  Score 345;  DB 49;  Length 840;
  Best Local Similarity   100.0%;  Pred. No. 2.6e-86;
  Matches  345;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     337 aggctagaggagctgcagagctttctcttgtataaaaacaagttgacctaccttccctat 396
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     142 aggctagaggagctgcagagctttctcttgtataaaaacaagttgacctaccttccctat 201

Qy     397 tccatgctgaacctgaagaagctcactctgttagtcgtcagtggggaccatttggtggag 456
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     202 tccatgctgaacctgaagaagctcactctgttagtcgtcagtggggaccatttggtggag 261

Qy     457 ctcccaactgccctttgtgactcatccacacctttaaaatttgtaagccttatggacaat 516
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     262 ctcccaactgccctttgtgactcatccacacctttaaaatttgtaagccttatggacaat 321

Qy     517 cctattgataatgcccaatgtgaagatggcaatgaaataatggaaagtgaacgggatcgc 576
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     322 cctattgataatgcccaatgtgaagatggcaatgaaataatggaaagtgaacgggatcgc 381

Qy     577 caacattttgataaagaagttatgaaagcctatattgaagaccttaaagaaagagaatct 636
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     382 caacattttgataaagaagttatgaaagcctatattgaagaccttaaagaaagagaatct 441

Qy     637 gttcccagctataccaccaaagtgtcttttagccttcaactttga 681
           |||||||||||||||||||||||||||||||||||||||||||||
Db     442 gttcccagctataccaccaaagtgtcttttagccttcaactttga 486


RESULT  15
US-09-332-782-6811
; Sequence 6811, Application US/09332782
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc.
;  TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
;  TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
;  FILE REFERENCE: 20411-754CON1
;  CURRENT APPLICATION NUMBER: US/09/332,782
;  CURRENT FILING DATE: 1999-06-14
;  EARLIER APPLICATION NUMBER: US 09/181,430
;  EARLIER FILING DATE: 1998-10-28
;  NUMBER OF SEQ ID NOS: 21027
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6811
;   LENGTH: 327
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-332-782-6811


  Query Match             47.6%;  Score 324.4;  DB 17;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 1.2e-80;
  Matches  325;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy     126 agattgtgaaaatctagagagactggattgttctggaaatctagaattaatggagctgcc 185
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 agattgtgaaaatctagagagactggattgttctggaaatctagaattaatggagctgcc 60

Qy     186 ctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagttttc 245
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 ctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagttttc 120

Qy     246 cagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagcagcaa 305
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 cagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagcagcaa 180

Qy     306 taacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttctctt 365
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 taacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttctctt 240

Qy     366 gtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctcactct 425
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 gtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctcactct 300

Qy     426 gttagtcgtcagtggggaccatttgg 451
           ||||||||||||||||||||||| |||
Db     301 gttagtcgtcagtggggaccatatgg 326


Search completed: February 26, 2002, 11:47:58
Job time: 7745 sec
```

GenCore version 4.5

OM nucleic - nucleic search, using sw model

Run on: February 26, 2002, 11:57:03 ; Search time 546.59 Seconds
(without alignments)
3521.641 Million cell updates/sec

Title: US-09-602-833A-3
Perfect score: 681
Sequence: 1 atgagaattctggatctgcc.....cttttagccttcaactttga 681

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2361812 seqs, 1413284759 residues

Total number of hits satisfying chosen parameters: 4723624

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_New:*
1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*
2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*
3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*
4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*
5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*
6: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq1:*
7: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq2:*
8: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq:*
9: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	681	100.0	681	5	US-09-602-833A-3	Sequence 3, Appli
2	681	100.0	1116	5	US-09-602-833A-1	Sequence 1, Appli
3	172	25.3	480	6	US-09-933-524A-29336	Sequence 29336, A
4	128	18.8	440	6	US-09-933-524A-25490	Sequence 25490, A
5	125	18.4	456	6	US-09-933-524A-24337	Sequence 24337, A
6	87	12.8	429	6	US-09-933-524A-13035	Sequence 13035, A
7	77.6	11.4	428	6	US-09-933-524A-15579	Sequence 15579, A
8	57.4	8.4	1936	6	US-09-898-888A-13202	Sequence 13202, A
9	57.4	8.4	1947	5	US-09-902-775A-184	Sequence 184, App
10	57.4	8.4	1947	5	US-09-904-956-184	Sequence 184, App
11	57.4	8.4	1947	5	US-09-905-348-184	Sequence 184, App
12	57.4	8.4	1947	5	US-09-906-618-184	Sequence 184, App
13	57.4	8.4	1947	5	US-09-909-204-184	Sequence 184, App
14	57.4	8.4	1947	5	US-09-907-841-184	Sequence 184, App
15	57.4	8.4	1947	5	US-09-902-634A-184	Sequence 184, App
16	57.4	8.4	1947	5	US-09-902-853A-184	Sequence 184, App
17	57.4	8.4	1947	5	US-09-903-806A-184	Sequence 184, App
18	57.4	8.4	1947	5	US-09-903-823A-184	Sequence 184, App
19	57.4	8.4	1947	5	US-09-905-088A-184	Sequence 184, App
20	57.4	8.4	1947	5	US-09-903-640A-184	Sequence 184, App
21	57.4	8.4	1947	5	US-09-905-291A-184	Sequence 184, App
22	57.4	8.4	1947	5	US-09-908-093A-184	Sequence 184, App
23	57.4	8.4	1947	5	US-09-909-088B-184	Sequence 184, App
24	57.4	8.4	1947	5	US-09-904-553-184	Sequence 184, App
25	57.4	8.4	1947	5	US-09-904-992-184	Sequence 184, App
26	57.4	8.4	1947	5	US-09-905-056-184	Sequence 184, App
27	57.4	8.4	1947	5	US-09-905-363-184	Sequence 184, App
28	57.4	8.4	1947	5	US-09-906-646-184	Sequence 184, App
29	57.4	8.4	1947	5	US-09-907-745-184	Sequence 184, App
30	57.4	8.4	1947	5	US-09-907-942-184	Sequence 184, App
31	57.4	8.4	1947	5	US-09-907-979-184	Sequence 184, App
32	57.4	8.4	1947	5	US-09-903-562B-184	Sequence 184, App
33	57.4	8.4	1947	5	US-09-903-925A-184	Sequence 184, App
34	57.4	8.4	1947	5	US-09-907-652-184	Sequence 184, App
35	57.4	8.4	1947	5	US-09-907-925A-184	Sequence 184, App
36	57.4	8.4	1947	5	US-09-902-736A-184	Sequence 184, App
37	57.4	8.4	1947	5	US-09-903-520A-184	Sequence 184, App
38	57.4	8.4	1947	5	US-09-903-910B-184	Sequence 184, App
39	57.4	8.4	1947	5	US-09-904-011B-184	Sequence 184, App
40	57.4	8.4	1947	5	US-09-904-485A-184	Sequence 184, App
41	57.4	8.4	1947	5	US-09-904-658A-184	Sequence 184, App
42	57.4	8.4	1947	5	US-09-904-805A-184	Sequence 184, App
43	57.4	8.4	1947	5	US-09-906-700-184	Sequence 184, App
44	57.4	8.4	1947	5	US-09-905-449-184	Sequence 184, App
45	57.4	8.4	1947	7	US-09-903-823-184	Sequence 184, App

ALIGNMENTS

RESULT 1
US-09-602-833A-3
; Sequence 3, Application US/09602833A
; GENERAL INFORMATION:
; APPLICANT: Turner, Alex
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Freidrich, Glenn A.
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND PROTEINS
; TITLE OF INVENTION: ENCODED THEREBY
; FILE REFERENCE: 8535-0036-999
; CURRENT APPLICATION NUMBER: US/09/602,833A
; CURRENT FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 681
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(678)
US-09-602-833A-3

Query Match 100.0%; Score 681; DB 5; Length 681;
Best Local Similarity 100.0%; Pred. No. 4.5e-183;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60

Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120

Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180

Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240

Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
```

```
Db    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300

Qy    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360

Qy    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420

Qy    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480

Qy    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540

Qy    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600

Qy    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660

Qy    661 tcttttagccttcaactttga 681
          |||||||||||||||||||||
Db    661 tcttttagccttcaactttga 681
```

RESULT 2
US-09-602-833A-1
; Sequence 1, Application US/09602833A
; GENERAL INFORMATION:
; APPLICANT: Turner, Alex
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Freidrich, Glenn A.
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND PROTEINS
; TITLE OF INVENTION: ENCODED THEREBY
; FILE REFERENCE: 8535-0036-999
; CURRENT APPLICATION NUMBER: US/09/602,833A
; CURRENT FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1116
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1113)
US-09-602-833A-1

Query Match 100.0%; Score 681; DB 5; Length 1116;
Best Local Similarity 100.0%; Pred. No. 5.6e-183;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    436 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 495

Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    496 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 555

Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    556 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaattaatggag 615

Qy    181 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    616 ctgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaag 675

Qy    241 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    676 ttttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagc 735

Qy    301 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    736 agcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagcttt 795

Qy    361 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    796 ctcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctc 855

Qy    421 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    856 actctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactca 915

Qy    481 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    916 tccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaa 975

Qy    541 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    976 gatggcaatgaaataatggaaagtgaacgggatcgccaacattttgataaagaagttatg 1035

Qy    601 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1036 aaagcctatattgaagaccttaaagaaagagaatctgttcccagctataccaccaaagtg 1095

Qy    661 tcttttagccttcaactttga 681
          |||||||||||||||||||||
Db   1096 tcttttagccttcaactttga 1116
```

RESULT 3
US-09-933-524A-29336
; Sequence 29336, Application US/09933524A
; GENERAL INFORMATION:
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Dickson, Mark
; APPLICANT: Jones, Lee W.
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
; TITLE OF INVENTION: From Various Libraries
; FILE REFERENCE: 774
; CURRENT APPLICATION NUMBER: US/09/933,524A
; CURRENT FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 09/528,409
; PRIOR FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 116231
; SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 29336
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-933-524A-29336

Query Match 25.3%; Score 172; DB 6; Length 480;
Best Local Similarity 100.0%; Pred. No. 1.2e-38;
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    309 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 368

Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db    369 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 428

Qy    121 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaat 172
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    429 ttgggagattgtgaaaatctagagagactggattgttctggaaatctagaat 480


RESULT   4
US-09-933-524A-25490
; Sequence 25490, Application US/09933524A
; GENERAL INFORMATION:
;  APPLICANT: Drmanac, Radoje T.
;  APPLICANT:  Labat, Ivan
;  APPLICANT:  Stache-Crain, Birgit
;  APPLICANT:  Dickson, Mark
;  APPLICANT:  Jones, Lee W.
;  TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
;  TITLE OF INVENTION:  From Various Libraries
;  FILE REFERENCE: 774
;  CURRENT APPLICATION NUMBER: US/09/933,524A
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: 09/528,409
;  PRIOR FILING DATE: 2000-05-17
;  NUMBER OF SEQ ID NOS: 116231
;  SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 25490
;   LENGTH: 440
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-933-524A-25490


  Query Match             18.8%;  Score 128;  DB 6;  Length 440;
  Best Local Similarity   100.0%;  Pred. No. 3.7e-26;
  Matches  128;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    312 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 371

Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    372 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 431

Qy    121 ttgggaga 128
          ||||||||
Db    432 ttgggaga 439


RESULT   5
US-09-933-524A-24337
; Sequence 24337, Application US/09933524A
; GENERAL INFORMATION:
;  APPLICANT: Drmanac, Radoje T.
;  APPLICANT:  Labat, Ivan
;  APPLICANT:  Stache-Crain, Birgit
;  APPLICANT:  Dickson, Mark
;  APPLICANT:  Jones, Lee W.
;  TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
;  TITLE OF INVENTION:  From Various Libraries
;  FILE REFERENCE: 774
;  CURRENT APPLICATION NUMBER: US/09/933,524A
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: 09/528,409
;  PRIOR FILING DATE: 2000-05-17
;  NUMBER OF SEQ ID NOS: 116231
;  SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 24337
;   LENGTH: 456
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(456)
;   OTHER INFORMATION: n = A,T,C or G
US-09-933-524A-24337


  Query Match             18.4%;  Score 125;  DB 6;  Length 456;
  Best Local Similarity   100.0%;  Pred. No. 2.6e-25;
  Matches  125;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    331 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 390

Qy     61 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    391 ttgaagaacctgaaagaactcaatgtgggtttcaactatctgaagagcattcctccagaa 450

Qy    121 ttggg 125
          |||||
Db    451 ttggg 455


RESULT   6
US-09-933-524A-13035
; Sequence 13035, Application US/09933524A
; GENERAL INFORMATION:
;  APPLICANT: Drmanac, Radoje T.
;  APPLICANT:  Labat, Ivan
;  APPLICANT:  Stache-Crain, Birgit
;  APPLICANT:  Dickson, Mark
;  APPLICANT:  Jones, Lee W.
;  TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
;  TITLE OF INVENTION:  From Various Libraries
;  FILE REFERENCE: 774
;  CURRENT APPLICATION NUMBER: US/09/933,524A
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: 09/528,409
;  PRIOR FILING DATE: 2000-05-17
;  NUMBER OF SEQ ID NOS: 116231
;  SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 13035
;   LENGTH: 429
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-933-524A-13035


  Query Match             12.8%;  Score 87;  DB 6;  Length 429;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-14;
  Matches   87;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    343 atgagaattctggatctgccaaaaaaccaaatctcacatcttccagcagaaatcggttgt 402

Qy     61 ttgaagaacctgaaagaactcaatgtg 87
          |||||||||||||||||||||||||||
Db    403 ttgaagaacctgaaagaactcaatgtg 429


RESULT   7
US-09-933-524A-15579
; Sequence 15579, Application US/09933524A
; GENERAL INFORMATION:
;  APPLICANT: Drmanac, Radoje T.
;  APPLICANT:  Labat, Ivan
;  APPLICANT:  Stache-Crain, Birgit
;  APPLICANT:  Dickson, Mark
;  APPLICANT:  Jones, Lee W.
;  TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
;  TITLE OF INVENTION:  From Various Libraries
;  FILE REFERENCE: 774
;  CURRENT APPLICATION NUMBER: US/09/933,524A
```

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;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: 09/528,409
;  PRIOR FILING DATE: 2000-05-17
;  NUMBER OF SEQ ID NOS: 116231
;  SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 15579
;   LENGTH: 428
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-933-524A-15579


  Query Match             11.4%;  Score 77.6;  DB 6;  Length 428;
  Best Local Similarity   50.5%;  Pred. No. 7.3e-12;
  Matches  188;  Conservative    0;  Mismatches  184;  Indels    0;  Gaps    0;

Qy      91 ttcaactatctgaagagcattcctccagaattgggagattgtgaaaatctagagagactg 150
           | | || |  | ||||   | ||    ||| |  |  |||||| |   | |||| |||
Db      21 tccgacaaaatcaagactgtccccaaggaactaagtaattgtgccagcttggagaaacta 80

Qy     151 gattgttctggaaatctagaattaatggagctgccctttgaattaagtaatttgaagcaa 210
           ||     |||  ||   |||  ||   || || ||    ||  | || ||| ||    ||
Db      81 gaactggctgttaacagagatatatgtgatcttccacaagagctcagcaatctgctaaaa 140

Qy     211 gttacatttgtagatatctcagcaaacaagttttccagtgtcccaatctgtgtcctgcgg 270
           ||||     | ||| |       ||| | ||| | |   ||||  |   |||  ||
Db     141 cttactcaccttgatctgagtatgaacgattttactacaatccctcttgctgtgttgaac 200

Qy     271 atgtcgaatttgcagtggttggatatcagcagcaataacctgaccgacctgccgcaagat 330
           ||| |     |  ||||| |||| ||  | ||||| || ||     | || ||  |   |
Db     201 atgcctgcccttgagtggctggacatgggaagcaacaaacttgaacaacttcctgatact 260

Qy     331 atagacaggctagaggagctgcagagctttctcttgtataaaaacaagttgacctacctt 390
           ||||| ||  |  |  | || || |  ||     || |   |||  |  | || | | |
Db     261 atagaaagaatgcaaaatctacatacgttatggctgcaacgaaatgaaataacatgcttg 320

Qy     391 ccctattccatgctgaacctgaagaagctcactctgttagtcgtcagtggggaccatttg 450
           ||  |  | ||    ||  |||| || ||   |    | ||  ||||     |  |  ||
Db     321 cctcaaacaatcagcaatatgaaaaatctgggtactcttgttctcagcaacaataaactg 380

Qy     451 gtggagctccca 462
              ||  | |||
Db     381 caagatattcca 392


RESULT   8
US-09-898-888A-13202
; Sequence 13202, Application US/09898888A
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc.
;  TITLE OF INVENTION: NOVEL CONTIGS OBTAINED FROM VARIOUS cDNA
;  TITLE OF INVENTION:  LIBRARIES
;  FILE REFERENCE: 20411-748CON1
;  CURRENT APPLICATION NUMBER: US/09/898,888A
;  CURRENT FILING DATE:  2001-07-30
;  PRIOR APPLICATION NUMBER: US/09/340,623
;  PRIOR FILING DATE: 1999-06-28
;  PRIOR APPLICATION NUMBER: US 09/205,070
;  PRIOR FILING DATE: 1998-12-03
;  NUMBER OF SEQ ID NOS: 45207
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13202
;   LENGTH: 1936
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-898-888A-13202


  Query Match              8.4%;  Score 57.4;  DB 6;  Length 1936;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy     182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
           | ||  | | | ||  || |||  || || | | ||   ||||| |       |||||
Db    1167 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1226

Qy     242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
           |||| |   | |||||     |       | |   |||  |||||   ||| ||||||
Db    1227 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1286

Qy     302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
           | || ||  ||  |   |||||  || |  |    |          || ||  ||  ||
Db    1287 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1346

Qy     362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
              ||    | |||    | ||||  || ||  |     |     | ||    ||||||
Db    1347 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1406

Qy     422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
           ||| | | |   | |  ||| ||  ||||     || ||| |    ||  |  | |
Db    1407 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1466

Qy     482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
             |  |     |||   |      || ||||  |||   ||  | || |||       |
Db    1467 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1526

Qy     542 atggcaatgaaataatgga 560
           | | ||| ||   | || |
Db    1527 aagtcaaagaggcattgaa 1545


RESULT   9
US-09-902-775A-184
; Sequence 184, Application US/09902775A
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/902,775A
;  CURRENT FILING DATE:  2001-07-10
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
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;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-902-775A-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy    182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
          | ||  | | | ||  || |||  ||| || | | ||   ||||| |       |||||
Db   1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221

Qy    242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
          |||| |   | |||||     |       | |   |||  |||||   ||| ||||||
Db   1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy    302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
          | || ||  ||  |   |||||  || |  |    |          || ||  ||  ||
Db   1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy    362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
            ||    | |||    | ||||  || ||  |    |     | ||     ||||||
Db   1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy    422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
          ||| | | |   | |  ||| ||   ||||     || ||| |    ||  |  | |
Db   1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy    482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
            |  |     |||   |      || ||||  |||   ||  | || |||        |
Db   1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy    542 atggcaatgaaataatgga 560
          | | ||| ||   | || |
Db   1522 aagtcaaagaggcattgaa 1540


RESULT  10
US-09-904-956-184
; Sequence 184, Application US/09904956
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/904,956
;  CURRENT FILING DATE:  2001-07-12
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-904-956-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy    182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
          | ||  | | | ||  || |||  || || | | ||   ||||| |       |||||
```

```
Db   1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221

Qy    242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
          |||| |   | |||||     |       | |   |||  |||||   ||| ||||||
Db   1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy    302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
          | || ||  ||  |   |||||  || |  |     |          || ||  ||  ||
Db   1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy    362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
            ||    | |||    | ||||  || ||  |     |     | ||     ||||||
Db   1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy    422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
          ||| | | |   | |  ||| ||   ||||     || ||| |    ||  |  | |
Db   1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy    482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
            |  |     |||   |      || ||||  |||   ||  | || |||       |
Db   1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy    542 atggcaatgaaataatgga 560
          | | ||| ||   | || |
Db   1522 aagtcaaagaggcattgaa 1540


RESULT  11
US-09-905-348-184
; Sequence 184, Application US/09905348
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/905,348
;  CURRENT FILING DATE:  2001-07-13
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-905-348-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy    182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
          | ||  | | | ||  || |||  || || | | ||   ||||| |       |||||
Db   1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221

Qy    242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
          |||| |   | |||||     |       | |   |||  |||||   ||| ||||||
Db   1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy    302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
          | || ||  ||  |   |||||  || |  |     |          || ||  ||  ||
Db   1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy    362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
            ||    | |||    | ||||  || ||  |     |     | ||     ||||||
Db   1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy    422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
          ||| | | |   | |  ||| ||   ||||     || ||| |    ||  |  | |
Db   1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy    482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
            |  |     |||   |      || ||||  |||   ||  | || |||       |
Db   1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy    542 atggcaatgaaataatgga 560
          | | ||| ||   | || |
Db   1522 aagtcaaagaggcattgaa 1540


RESULT  12
US-09-906-618-184
; Sequence 184, Application US/09906618
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
```

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;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/906,618
;  CURRENT FILING DATE:  2001-07-16
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-906-618-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy     182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
           | ||  | | | || .|| |||  || || | | ||   ||||| |       |||||
Db    1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221

Qy     242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
           |||| |   | |||||     |      | |   |||  |||||   ||| ||||||
Db    1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy     302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
           | || ||  ||  |   |||||  || |  |    |          || ||  ||  ||
Db    1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy     362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
             ||    | |||    | ||||  || ||  |     |     | ||    ||||||
Db    1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy     422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
           |||  |  |   | | ||| ||   ||||     || ||| |    ||  |  | |
Db    1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy     482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
             |  |     |||   |      || ||||  |||   ||  | || |||        |
Db    1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy     542 atggcaatgaaataatgga 560
           | | ||| ||   | || |
Db    1522 aagtcaaagaggcattgaa 1540


RESULT  13
US-09-909-204-184
; Sequence 184, Application US/09909204
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/909,204
;  CURRENT FILING DATE:  2001-07-18
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
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;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-909-204-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy     182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
           | ||  | | | ||  || |||  || || | | ||   ||||| |       |||||
Db    1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221

Qy     242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
           |||| |   | ||||||     |      | |   |||  |||||   ||| ||||||
Db    1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy     302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
           | || ||  ||  |   |||||  || |  |    |          || ||  ||  ||
Db    1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy     362 tcttgtataaaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
             ||    | |||    | ||||  || ||  |     |     | ||     ||||||
Db    1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy     422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
           ||| | | |   | |  ||| ||   ||||     || ||| |    ||  |  | |
Db    1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy     482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
             |  |     |||   |      || ||||  |||   ||  | || |||        |
Db    1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy     542 atggcaatgaaataatgga 560
           | | ||| ||   | || |
Db    1522 aagtcaaagaggcattgaa 1540


RESULT  14
US-09-907-841-184
; Sequence 184, Application US/09907841
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/907,841
;  CURRENT FILING DATE:  2001-07-17
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-907-841-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy     182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
           | ||  | | | ||  || |||  || || | | ||   ||||| |       |||||
Db    1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221
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Qy     242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
           |||| |   | |||||     |       | |   |||  |||||   ||| ||||||
Db    1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy     302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
           | || ||  ||  |   |||||  || |  |    |          || ||  ||  ||
Db    1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy     362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
              ||    | |||    | ||||  || ||  |     |     | ||     ||||||
Db    1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy     422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
           ||| | | |   | |  ||| ||   ||||     || ||| |    ||  |  | |
Db    1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy     482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
             |  |     |||   |      || ||||  |||   ||  | || |||       |
Db    1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy     542 atggcaatgaaataatgga 560
           | | ||| ||   | || |
Db    1522 aagtcaaagaggcattgaa 1540


RESULT  15
US-09-902-634A-184
; Sequence 184, Application US/09902634A
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/902,634A
;  CURRENT FILING DATE:  2001-07-10
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 184
;   LENGTH: 1947
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-902-634A-184


  Query Match             8.4%;  Score 57.4;  DB 5;  Length 1947;
  Best Local Similarity   47.0%;  Pred. No. 7.5e-06;
  Matches  178;  Conservative    0;  Mismatches  201;  Indels    0;  Gaps    0;

Qy     182 tgccctttgaattaagtaatttgaagcaagttacatttgtagatatctcagcaaacaagt 241
           | ||  | | | ||  || |||  || || | | ||   ||||| |       |||||
Db    1162 taccagtggcagtatttagtttacagaaactcagatgcttagatgtgagctacaacaaca 1221

Qy     242 tttccagtgtcccaatctgtgtcctgcggatgtcgaatttgcagtggttggatatcagca 301
           |||| |   | |||||     |       | |   |||  |||||   ||| ||||||
Db    1222 tttcaatgattccaatagaaataggattgcttcagaacctgcagcatttgcatatcactg 1281

Qy     302 gcaataacctgaccgacctgccgcaagatatagacaggctagaggagctgcagagctttc 361
           | || ||  ||  |   |||||  || |  |    |          || ||  ||  ||
Db    1282 ggaacaaagtggacattctgccaaaacaattgtttaaatgcataaagttgaggactttga 1341

Qy     362 tcttgtataaaaacaagttgacctaccttccctattccatgctgaacctgaagaagctca 421
              ||    | |||    | ||||  || ||  |     |     | ||     ||||||
Db    1342 atctgggacagaactgcatcacctcactcccagagaaagttggtcagctctcccagctca 1401

Qy     422 ctctgttagtcgtcagtggggaccatttggtggagctcccaactgccctttgtgactcat 481
           ||| | | |   | |  ||| ||   ||||     || ||| |    ||  |  | |
Db    1402 ctcagctggagctgaaggggaactgcttggaccgcctgccagcccagctgggccagtgtc 1461

Qy     482 ccacacctttaaaatttgtaagccttatggacaatcctattgataatgcccaatgtgaag 541
             |  |     |||   |      || ||||  |||   ||  | || |||       |
Db    1462 ggatgctcaagaaaagcgggcttgttgtggaagatcacctttttgataccctgccactcg 1521

Qy     542 atggcaatgaaataatgga 560
           | | ||| ||   | || |
Db    1522 aagtcaaagaggcattgaa 1540


Search completed: February 26, 2002, 11:57:08
Job time: 7170 sec
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